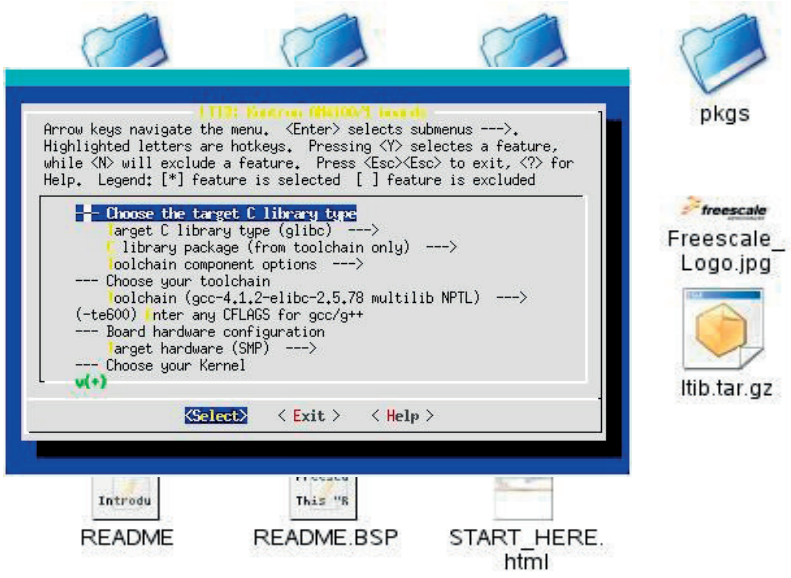
» AM4100/AM4101 BSP «



License-free open source LTIB1) based Linux BSP

» License-free off-the-shelf BSP
» All tools for cross-development included
» Embedded root file system drivers, libraries, example applications for board specific devices
» Convenient image generation and installation tools
» All sources included

This Kontron BSPs is designed to get customers started immediately with application development instead of first getting involved with BSP integration or hardware bring-up issues. Support of board specific devices and interfaces has been added to the BSP to achieve the full benefit of the functions provided by the hardware. Monitoring of assorted onboard temperature conditions, board voltages and the power supply status is provided via IPMI. A rich set of Linux applications is provided. A convenient menu interface is provide to configure the root file system features as well as boot strategies and other parameters of the target system. The package contains a number user manuals, describing general LTIB usage, Kontron specific addons to LTIB, and a complete API description for whose, who want to use Kontron specific HW features within their applications.

Technical Information

Linux Kernel	Kernel version 2.6.26
Cross compiler tool chain	gcc 4.1.2 eglibc 2.5.78
LTIB version	ltib-mpc8641hpcn-20080117
Embedded Linux root file sys	Highly scalable with more than 200 userspace packages selectable
Multi processing	Symmetric multi processing (SMP) Asymmetric multi processing (ASMP)
Ethernet	4 x 10/100/1000 Base-T Enhanced TSECs
Serial RapidIO	Host or Agent (Linux RapidIO subsystem)
PCI Express®	Root Complex
IPMI	Sensor Reading System Monitoring Graceful Shutdown
Boot Devices	Network CompactFlash NOR Flash Miscellaneous
Miscellaneous Devices	Real Time Clock Hardware Watchdog (RESET, IRQ, Dual-Stage) EEPROM four user data storage
Status Indication	General purpose LED block

Ordering Information

Article	Description
SK-LIN26-BSP-PRAMC-MPC8641	Linux 2.6 BSP for AM4100/AM4101, integrated in Freescale LTIB environment

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Datasheet – Title #AM4100 / AM4101 BSP
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